

Docket No. AUS920030078US1

## ABSTRACT OF THE DISCLOSURE

### MULTICAST GROUP MANAGEMENT IN INFINIBAND

5       A mechanism for managing multicast groups with send-  
without-receive (SWR) joiners without the use of traps on  
creation and deletion of groups is provided. Group  
information is maintained continuously while the SWR  
member exists. When an SWR join is attempted and the  
10 group does not already exist, the group information  
(MLID) is marked as used and the first switch to which  
the SWR packets are sent is routed to discard all packets  
sent to the group. When receiving members join the  
group, the routing is updated so that the SWR member  
15 begins sending to the receiving members. When the last  
receiving member leaves the group, the first switch is  
again routed to discard the packets.